```
logo
NTDB id 68635 AACH39 RS08530 WP 338621263.1  MIITPDLANQPITAAPALLKKLEKLGIRRRFDLVLHLPLRYEDESHLFPIKHAPYGQPALVEGVVVAQEVQFRPRKQLLV   80
NTDB id 1095 KZH42 RS10215 WP 002225638.1    .MMSPETR.KQLKITDVSAKKLDKLNLHTAWDLVLHLPLRYEDETHIMPIKDAPIGVPCQVEGEVIHQEVTFKPRKQLIV   78
consensus                                    ****!*  * **   *   !!!*!! **  *!!!!!!!!!!!!!*!* !!!*!! ! !* !!! !**!!! !*!!!!!*!

logo
NTDB id 68635 AACH39 RS08530 WP 338621263.1  RLEDESGQ.LVLRFIHFYPSQQKQMAKGERLRVLGEVRRGFFGDEMVHPKCRPVLPGEPLADRMTPVYPTLSGLTQPQLR  159
NTDB id 1095 KZH42 RS10215 WP 002225638.1    QIADGSGSVLFLRFIHFYASHQKQTAVGKRIRAVGEIKHGFYGDEMIHPKIRDAE.GGGLAESLTPVYPTVNGLNQPTLR  157
consensus                                     * ! !! *! !!!!!!!*!*!!! ! ! !*! *!!***!!*!!!!*!!!!*!*  *! *!!* *!!!!!!* !! !! !!

logo
NTDB id 68635 AACH39 RS08530 WP 338621263.1  KLIHAELKAQPLQETLPPGWREQLGLCTFAEAVQLLHAPTPDYSLQQLNDPLLPAWQRLKFDELLAQQLSMRLSYRQRRT  239
NTDB id 1095 KZH42 RS10215 WP 002225638.1    RIIQTALDVTPLHDTLPDALLCRLKLPHLAESLRLLHSPPPSFTIHQLSDGTLPAWQRLKFDELLAQQLSMRLARQKRIG  237
consensus                                    **!*  !   !!**!!!**  * ! ! * !! * !!! !*! ****!! !* !!!!!!!!!!!!!!!!!!!!!!    !

logo
NTDB id 68635 AACH39 RS08530 WP 338621263.1  GKAPQLAGDGSLRQALSRQLPFALTGAQQKVLQEILADMRQPHPMQRLLQGDVGSGKTVVAAMAALAAIEAGFQVALMAP  319
NTDB id 1095 KZH42 RS10215 WP 002225638.1    GTAAALGGDGTLTQALRQALPFALTDAQEKVVSEICRDMAQTYPMHRLLQGDVGSGKTIVAALSALTAIESGAQVAVMAP  317
consensus                                    ! !* !*!!!*! !!!   !!!!!! !! !!* !!* !! !**!!*!!!!!!!!!!!!!*!!!* !! !!! ! !!!*!!!

logo
NTDB id 68635 AACH39 RS08530 WP 338621263.1  TEILAEQHFLKLSAWLAPLGIGVAWLSGSLRKKQKTEALQQIASGSTRLVVGTHALFQEEVSFERLGLSIVDEQHRFGVG  399
NTDB id 1095 KZH42 RS10215 WP 002225638.1    TEILAEQHFIKFKQWLEPLGIEVVRLFGSLRKKAKDEAKAKLADGSVKIAVGTHALFSDGVAFHNLGLTIVDEQHRFGVA  397
consensus                                    !!!!!!!!!*!   !! !!!! !  ! !!!!!! ! !!   *! !! ** !!!!!!! * ! !* !!!*!!!!!!!!!!*

logo
NTDB id 68635 AACH39 RS08530 WP 338621263.1  QRLALKDKGGEPHQLMMSATPIPRTLAMSYYADLDVSIIDELPPGRSPIVTKLVNSDRRDEMVAHVDRICSKGQQAYWVC  479
NTDB id 1095 KZH42 RS10215 WP 002225638.1    QRLALKNKGREVHQLMMSATPIPRTLAMSFFADLDVSVIDELPPGRTPIKTRLVNNVRRAEVEGFVLGTCRKGRQAYWVC  477
consensus                                    !!!!!! !! !*!!!!!!!!!!!!!!!!!**!!!!!!*!!!!!!!!*!! !*!!!  !! !* **!   ! !! !!!!!!

logo
NTDB id 68635 AACH39 RS08530 WP 338621263.1  PLIEESEALQLQTAVDTFEALTEELPHWRVGLVHGRMKPAEKAEVMAAFAANEIQLLVATTVIEVGVDVPNATLMIIEHS  559
NTDB id 1095 KZH42 RS10215 WP 002225638.1    PLIEESETLQLQTAAETLARLQTALPELNIGLVHGRMKAAEKAEVMARFSSGGLNVLVATTVIEVGVDVPNAALMVIEHA  557
consensus                                    !!!!!!! !!!!!! *!   !   !!*  *!!!!!!!!*!!!!!!!! !    ***!!!!!!!!!!!!!!!! !!*!!!
```

```
logo
NTDB id 68635 AACH39 RS08530 WP 338621263.1  ERMGLSQLHQLRGRVGRGSAGGICVLMFETPLSELAKARLRVIYEHTDGFEIARQDLQIRGPGELLGARQSGMPMLRFAD   639
NTDB id 1095 KZH42 RS10215 WP 002225638.1    ERMGLAQLHQLRGRVGRGAAESVCVLLFAEPLGELAKARLKVIYEHTDGFEIARQDLNIRGPGEFLGARQSGVPMLRFAK   637
consensus                                    !!!!! !!!!!!!!!!!! !  *!!!*!  !! !!!!!!!*!!!!!!!!!!!!!!!!!*!!!!!! !!!!!!!*!!!!!!
```

```
logo
NTDB id 68635 AACH39 RS08530 WP 338621263.1  LEQDAELLAQARELAPRMLSEAPEQAEAHLMRWLAGREHFLKA   682
NTDB id 1095 KZH42 RS10215 WP 002225638.1    LEEDLHLLEQARETAPMLIEQNPEIVEAHLARWLSGREGYLGV   680
consensus                                    !! ! *!! !!!! !! **   !!  !!!! !!! !!!**!
```

X non conserved

X similar

X $\geq$ 50% conserved